



Dicone NC9

silicone sealant & adhesive remover

OVERVIEW

Dicone NC9 is a specially formulated silicone "digestant," for removing silicone-based sealants and adhesives, cured silicone elastomers and silicone water repellent over spray. Dicone NC9 uses new solvent technology to dissolve cured silicone resins and polymers with a nonflammable, non chlorinated and nonaromatic cleaning solution. Safer and more efficient than chlorinated or aromatic solvents or caustic solutions normally used for these applications.

Dicone NC9 is suitable for removing silicone residues from brick, concrete, natural stone, glass, and most metal and painted surfaces. Dicone NC9 is an excellent cleaning solvent for removing cured silicone sealants and adhesives from mixing and application equipment. Equipment parts immersed in Dicone NC9 for 1 to 2 hours are cleaned of all silicone residues. Ideal for cleaning and maintenance of bulk caulking guns, pumps, sprayers and dispensing equipment. Does not affect most metal or painted surfaces. Does not attack ceramic, plastic or most synthetic surfaces.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com and click on "SpecBuilder" or "Solution Finder."

ADVANTAGES

- Quickly removes cured silicone resins and polymers.
- Low toxicity – contains no chlorinated or aromatic solvents.
- Suitable for use on most metal, painted surfaces, glass, and anodized aluminum.
- Complies with all known VOC regulations for specialty adhesive removers.

Limitations

- Surface and air temperatures should be at least 40°F (4°C) during application.
- Dicone NC9 is moisture sensitive – contamination by rain, rinse waters or other sources will cause loss in effectiveness.
- Not recommended for direct contact with wood or finished wood surfaces.
- Attacks nylon and similar finishes on architectural aluminum and other building surfaces. May stain or discolor sensitive metals. Always test to determine effect.

REGULATORY COMPLIANCE

VOC Compliance

Sure Klean® Dicone NC9 is compliant with all national, state and district regulations.

TYPICAL TECHNICAL DATA

FORM	Clear brown liquid
SPECIFIC GRAVITY	0.810
pH	<1.0 (anhydrous concentrate)
WT/GAL	6.75 lbs
ACTIVE CONTENT	No data
TOTAL SOLIDS	9%
VOC CONTENT	70% maximum
FLASH POINT	185°F (85°C) ASTM D 3278
FREEZE POINT	<-22°F (<-30°C)
SHELF LIFE	1 year in tightly sealed, unopened container

Dicone NC9

PREPARATION

Protect people, vehicles, property, plants and all surfaces not set for cleaning. Protect or divert pedestrian and auto traffic. Suitable for use on most metal, painted surfaces and window glass. Always test to determine effects on synthetic materials, polished or coated metal surfaces.

CAUTION: Test window gaskets that may come in contact with Dicone NC9 to confirm compatibility. Most window gaskets are non silicone and will not be affected by Dicone NC9.

When applying to exteriors of occupied buildings, make sure all windows, air intakes, exterior air conditioning vents are covered and air handling

equipment shut down during application and remain covered for one hour following application. Avoid exposing building occupants to vapors.

Surface and Air Temperatures

Should be at least 40°F (4°C) during application. Cold reduces effectiveness. Best temperatures for cleaning are 60–85°F (15–29°C).

Equipment

Apply Dicone NC9 using a densely filled synthetic brush, roller or low-pressure spray equipment. Do not apply with high-pressure spray equipment. Do not mix with water. For best results, agitate with a synthetic abrasive pad or brush following application.

Containers, brushes and application equipment should be handled so as to avoid contamination with water. Clean all brushes, sprayers and other application equipment using paint thinner or mineral spirits. Allow brushes and sprayers to thoroughly dry before re-using for Dicone NC9 application.

CAUTION – All Field Applications: When applying Dicone solutions to porous substrates the final water rinse is critical to completely remove the Dicone solution and avoid stains or discolorations. If staining occurs, re-rinse the surface thoroughly with clean water.

Rinse with enough water and pressure to flush spent cleaner and dissolved soiling from the masonry surface and

ALWAYS TEST

ALWAYS TEST a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application.

surface pores without damage. Inadequate rinsing leaves residues which may stain the cleaned surface.

Masonry-washing equipment generating 400–1000 psi with a water flow rate of 6–8 gallons per minute is the best water/pressure combination for rinsing porous masonry. Use a 15–45° fan spray tip. Heated water (150–180°F; 65–82°C) may improve cleaning efficiency. Use adjustable equipment for reducing water flow-rates and rinsing pressure as needed for sensitive surfaces.

Rinsing pressures greater than 1000 psi and fan spray tips smaller than 15° may permanently damage sensitive masonry. Water flow-rates less than 6 gallons per minute may reduce cleaning productivity and contribute to uneven cleaning results.

Storage and Handling

Store in a cool, dry place with adequate ventilation. Always seal container after dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperature of 45–100°F (7–38°C). Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.

Recommended for these substrates. Always test. Coverage is in sq.ft./m. per gallon of concentrate.			
Substrate	Type	Use?	Coverage
Architectural Concrete Block	Burnished	yes	50–150 sq.ft. 5–14 sq.m.
	Smooth	yes	
	Split-faced	yes	
	Ribbed	yes	
Concrete	Brick	yes	100–200 sq.ft. 9–19 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay	Brick	yes	100–300 sq.ft. 9–28 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	yes	200–400 sq.ft. 19–37 sq.m.
	Unpolished	yes	100–200 sq.ft. 9–19 sq.m.
Granite	Polished	yes	200–400 sq.ft. 19–37 sq.m.
	Unpolished	yes	200–400 sq.ft. 19–37 sq.m.
Sandstone	Unpolished	yes	200–400 sq.ft. 19–37 sq.m.
Slate	Unpolished	yes	200–400 sq.ft. 19–37 sq.m.
Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.			

APPLICATION

Before use, read "Preparation" and "Safety Information."

ALWAYS TEST. Test panels should be cleaned before beginning full-scale cleaning operations to determine effectiveness and precise cleaning procedures. Test each type of surface to be exposed to the cleaning solvent. Surfaces should be completely dry before application. Apply test panels according to the following procedures. Procedures for general application may then be adjusted according to test panel results.

Dilution

Do not dilute or alter.

Stir or mix well before use.

Application Instructions

Removal of Silicone Sealant/Adhesive Residues

1. Surfaces to be cleaned should be completely dry before application.
2. Apply undiluted Dicone NC9 directly from the container.
3. Let the material stay on the surface 10–20 minutes or until the solution begins to dry.
4. Reapply NC9 to the surface and agitate with a synthetic abrasive pad or brush if necessary.
5. Repeat steps 3 and 4 until sealant/adhesive residue has completely dissolved or broken free from the surface.
6. After all sealant/adhesive has dissolved or broken free, water rinse thoroughly with pressure washer or garden hose making sure to rinse off all residues. Rinse from the bottom to the top.

Removal of Water Repellent Over Spray

1. Surfaces to be cleaned should be completely dry before application.
2. Apply concentrate NC9 liberally to the over sprayed area.
3. Let the material stay on the surface for 5 to 10 minutes or until the solution begins to dry.

4. Reapply NC9 to the surface and agitate with a synthetic abrasive pad or brush.
5. After all residues have dissolved or broken free, thoroughly rinse the surface with fresh water, working from the bottom to the top. Glass surfaces should be given a final cleaning with a commercial glass cleaner or Enviro Klean® 2010 All Surface Cleaner diluted one part cleaner to 50 parts clean water.

Equipment Cleaning Application

Dicone NC9's ability to completely dissolve cured silicone residues allows effective cleaning of sprayers, dispensing equipment, and other critical applications where buildup of silicone residues creates costly downtime or maintenance problems. Best results will be achieved if equipment parts can be immersed in Dicone NC9. Repeated brush applications can be used when immersion is not possible.

Dicone NC9 will loosen and de-bond cured silicone residues in 30 minutes to 1 hour. 100% silicone materials will be dissolved (digested) by NC9 within 12 to 24 hours. Dicone NC9 will remain effective through 5 to 10 uses of the cleaning solution. The effectiveness of the used solution can be restored by adding fresh Dicone NC9 to the used solvent.

After sealant/adhesive residues have been removed, rinse equipment parts, mixers, etc. with clean mineral spirits or warm soapy water to remove all residues.

Cleanup

Clean equipment with mineral spirits, paint thinner or equivalent. Allow brushes, rollers and application equipment to dry thoroughly before reusing for Dicone NC9 application.

Reinstalling Sealants and Adhesives

To assure proper adhesion of replacement sealants or adhesives, all residues of Dicone NC9 must be completely removed. On large applications, tests of replacement product are recommended to assure proper adhesion.

BEST PRACTICES

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Containers, brushes and application equipment should be handled so as to avoid contamination with water.

Surfaces to be cleaned should be completely dry before application.

When applying Dicone solutions to porous substrates the final water rinse is critical to completely remove the Dicone solution and avoid stains or discolorations. If staining occurs, re-rinse the surface thoroughly with clean water.

Clean all brushes, sprayers and other application equipment using paint thinner or mineral spirits. Allow brushes and sprayers to thoroughly dry before re-using for Dicone NC9 application.

Never go it alone. For problems or questions, contact your local PROSOCO distributor or field representative. Or call PROSOCO technical Customer Care toll-free at 800-255-4255.

Waste Characterization and Disposal

In most localities waste generated during use of Dicone NC9 may be classified as "hazardous" if it is determined to be corrosive, flammable or toxic. NC9 is a combustible non-chlorinated, aliphatic solvent with an acidic pH and low toxicity.

Final waste characterization may vary depending on the nature and volume of the material being removed. Used solvent solutions from dip tanks and equipment cleaning applications (minimal water content) can be disposed of by fuel blending at a licensed facility.

When applying in the field and where cleaning residues are primarily rinse water, the hazardous characteristics of waste solutions will depend upon the nature of the residues being removed, volume of rinse water and applicable regulations. The pH of Dicone NC9 may cause waste solutions to be classified as corrosive.

All waste should be tested to determine if it is hazardous according to local waste disposal regulations. In the absence of testing, all cleaning residues and rinse water should be considered hazardous, collected and placed in approved drums for disposal according to local, state and federal regulations. Users must consult and comply with current regulations regarding containment, transport and disposal of hazardous waste.

SAFETY INFORMATION

Sure Klean® Dicone NC9 is an acidic cleaning product with safety issues common to corrosive materials. Use appropriate safety equipment and job site controls during handling and application. Read the full label and MSDS for precautionary instructions before use.

First Aid

Ingestion: Aspiration hazard. Do not induce vomiting. Get immediate medical attention.

Eye and Skin Contact: Rinse thoroughly for 15 minutes. Get medical attention if irritation persists. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If not breathing, administer pulmonary resuscitation. Get medical attention as necessary.

24-Hour Emergency Information:
INFOTRAC at 800-535-5053

WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

PROSOCO, Inc. warrants this product to be free from defects. **Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose.** The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care - technical support.

Factory-trained representatives are established in principal cities throughout the continental United States. Call Customer Care at 800-255-4255, or visit our web site at www.prosoco.com, for the name of the Sure Klean® representative in your area.